# Water and Wastewater Facility Operators Certification Board

# 2017 Contractor's Report



# Prepared by:

The Colorado Environmental Certification and Training, Inc. in conjunction with Total Event And Management Services, Inc., the Operator Certification Program Office.



# 2017 Contractor's Report

### **Contents**

Overview	.Section 1
Boards, Committee Chairs, Volunteers	.Section 2
Volunteer Committee Descriptions	Section 3
Statistical Compilations	Section 4
Financial Statements	Section 5

# Overview





### Colorado Environmental Certification and Training, Inc.

### 2017 Contractor's Report OVERVIEW

Colorado Environmental Certification and Training, Inc., (CECTI) is composed of two divisions: Distribution and Collection Division (a.k.a; Certification Council) and the Treatment Division. Each has its own Board, officers, and Committee Chairs, who are all Subject Matter Experts (SMEs).

The Colorado certification program is unique, in that the vast majority of other Certification programs are based in State Regulator offices. In 2006, this unique aspect culminated in the Colorado Program receiving the highly coveted Certification Program Award from ABC: "In recognition of outstanding contribution toward establishing or advancing certification."

CECTI and its sub-contractor serve not only the Certified Water Professionals of Colorado, but the Public, by insuring safe, quality water throughout the State. The Volunteers, with the cooperation of their employers, donate many hours of work by reviewing exam applications, proctoring at exam sites, serving as officers and sometimes performing as Instructors. They are well-qualified for this, since each officer or, Board or committee member has reached the highest level in their category. Indeed, this is a criterion for service in the divisions.

The sub-contractor, TEAMS, staffs the Operator Certification Program Office (OCPO) which exists to disseminate information, receive applications for exams, renewals, and reciprocity, and to allow Trainers to submit courses for review. The TU Review Committee can review courses online from anywhere and at any time. In turn, this shortens the time between submission and approval in order to bring the most up-to-date education to Colorado CWPs.

Historically, every three years, there is a drop-in testing: In 2014, total tests given were 2,935; in 2015, the total tests given were 3,259; in 2016, 3,568 total tests were given. Because this is the 3<sup>rd</sup> year in the cycle, there was a slight drop for 2017: 3,248 for 2017 as compared to 3,568 for 2016.

Interestingly enough, the percentage of online exams increased to 56% of the total exams taken; whereas in 2016, the percentage of total exams taken was 53%. We are still not at full capacity for any of the three testing sites: Denver, Grand Junction and Pueblo Community College.

2017 was a year of change for the program overall. In September, we lost one of the most innovative and important people in the industry... Walt Weers. Professor Weers would have been so proud to have Jim Wiseman receive the Walt Weers Award given by the State in February. We are sadly saying goodbye to Jim, who has retired from the Distribution and Collection Division of CECTI. Both Walt and Jim served on the initial Certification Council Board, a voluntary certification program for Distribution and Collection Operators, for many years.

Because of the partnership of Volunteer SMEs and OCPO Staff, who are not CWPs, we continue to be able to bring the most up-to-date Certification Testing to Colorado CWPs. An explanation of the more than 100 industry-related partners/volunteers time and value to the program is shown elsewhere in this report. The listing may not include all of them, but CECTI and OCPO extend their gratitude to all listed and those who are not, for all they have done to further the cause of bringing safe, clean water to Colorado and its citizens.

Ruen a Centr, Col

Richard A. Platt, President CECTI

Bruce L. Chameroy, Vice President

CECTI

Sylvia Rottman, Administrator

**OCPO** 

**Boards, Committee Chairs, Volunteers** 



### COLORADO ENVIRONMENTAL CERTIFICATION & TRAINING, Inc (CECTI)

### **Board of Directors 2017**

President: Vice President:

Past President: Secretary:

Treasurer: Director of C&D:

Director of W/WW:

Reciprocity Chair:

Richard Platt, CWP

Bruce Chameroy, CWP Bobby Oligo, CWP

Chris Kampmann, CWP

Bob Hastings, CWP

Bruce Chameroy, CWP

Jim Wiseman, CWP Mike Boyett, CWP

Castle Rock, Town of - C& D Division Erie, Town of - W/WW Treatment Division

Aurora, City of Longmont, City of

Prairie View Subdiv. - W/WW Treatment Division

Retired - C & D Division

Littleton/Englewood - W/WW Treatment Division

Erie, Town of - W/WW Treatment Division

### **OCPO Administrative**

Sylvia Rottman

Teresa Tezak Jo Ann Vold

Joyce Paxton Lori Sayler

Lori Moore Stephanie Morphis OCPO Office

2710 South Parker Rd. #290

Denver, Co 80231 Phone: 303-394-8994 Fax: 303-394-3450

Email: ocpo@ocpoweb.com

### Water/Wastewater Treatment Division of CECTI

President: Vice President:

Treasurer: Secretary: Directors:

Mike Boyett, CWP

Kirk Watson, CWP R E "Bob" Hastings, CWP Dannie McMillan, CWP

Ed Zimbleman, CWP

Julie Smith, CWP Bruce Chameroy, CWP Mark Foxworthy, CWP

Edyta Stec-Uddin, CWP

Jan Grengs, CWP Bobby Oligo, CWP Warren Potter, CWP Littleton/Englewood Aurora, City of

Prairie View Subdiv. - CRWA Cheyenne Wells, Town of Lafayette, City of

Miller Coors Erie, Town of CRWA

Metro WW Reclamation Dist.

Retired

Aurora, City of Lafayette. City of

### **Distribution & Collection Systems Division of CECTI**

General Chairman:

Water Chairman:

Wastewater Chairman:

Education Chairman

Secretary:

Treasurer:

Jim Wiseman, CWP

Robert Morphis, CWP Rich Platt, CWP

Jan Cranor, CWP

James Jamsay, CWP

David Hoagland, CWP Jeff TerAvest, CWP

Matthew Trujillo, CWP Gene Hazlett, CWP Kevin Brown, CWP

Jerry McClain, CWP

Chris Kampmann, CWP Kirk Skogen, CWP

Ray Olson, CWP

Retired

Aurora Water

Castle Rock, Town of Ft. Collins, City of

North Washington W & S District

TW Summit Corporation Longmont, City of PW/WU Pueblo, Board of Water Works

Glendale, City of Glendale, City of

Retired

Longmont, City of PW/NR

Aurora Water/WW

Distribution System Resources

### Water and Wastewater Facility Operators Certification Board

Chair:

Vice-Chair:

Secretary:

Board:

Gabrielle Begeman, CWP

Blair Corning, CWP Robi Darcy, CWP

Bill Hogrewe

Gary Marshall, CWP

Ron Falco

Ray Padgett, CWP Allen Coyne, CWP

Lance Wenholz, CWP

Shelley Stanley, CWP

ORC Water Professionals

Littleton/Englewood WWTP

Basalt RCAP

Colorado Springs Utilities

CDPHE Drinking Water Program

Brush

Julesburg, Town of

Metro WW Reclamation Dist.

Northglenn, City of

### Staff

Board Administrator:

Program Assistant:

WQCD Liaison:

Trisha Oeth Nancy Horan Jackie Whelan

Legal Counsel to Board:

Attorney General Office Dept of Natural Resources Annette Quill

### **VOLUNTEERS - INDUSTRY PARTNERS**

CECTI and its Divisions are dependent on industry partners who volunteer their time to support the certification program. Industry partners are subject matter experts in their respective segment of the Water/Wastewater industry. They assist board members on various committees and provide training to operators. Industry partners volunteer their time and share their expertise by teaching at the Distribution and Collection Systems Short School and serving on various committees such as Training Unit Review and Approval, Exam Review, Application Review, Certification Renewal, Reciprocity Review, as well as serving as Proctors at exam sites.

CECTI and its Divisions would like to thank the following CWPs and Industry Partners for their time, effort, and for sharing their expertise with the operators of Colorado.

Jeff Adler, Automation Services

Jason Ahrens, City of Grand Junction

Bob Allen, City of Longmont

Martin Alvis, Metro WW Reclamation

District

Steve Austin, Underground Solutions

Daniel Babyak, Denver Water

Roger Baker, City of Westminster

Eddy Balch, M+H/Kennedy Valve

Jimmy Boardman, Denver Water

Brian Breault, City of Grand Junction

Lee Browning, Finish Line Systems

Mike Brune, RepMasters, Inc.

Brian Carfield, City of Aurora

Patrick Carroll, DRC Construction Svc.

Tony Ciancio, Water Technology Group

Anthony Coca, Trinidad Correctional Facility

John Chrestensen, Town of Castle Rock

Jon Davis, RepMasters, Inc.

Andy Dieter, Town of Castle Rock

Roy Duchow, City of Lafayette

Greg Farmer, Littleton/Englewood WWTP

Reuben Frank, Sand Creek Water Reuse, Aurora

Chuck Goin, CRWA

Clair Goodwin, Ft. Collins Utilities

Kris Graham, United Rentals

Pat Gustafason, Retired

Ralph Haight, Aurora Water

Tim Hergett, Essential Safety Service

Sidney Innerebner, Indigo Water Group

Kent Knight, Arvada Pump

Hart Krumrine, Aurora Water

Chris Larson, C & L Water Solutions

Lauri Lindow, CIAC - Denver

Michael Martinez, City of Montrose

Gary McMillen, Dana Kepner Co.

Pete Miller, Eagle River Water
Sanitation District
Andy Mitchell, City of Delta
Ted Nicholas, Denver Water
Kat Olson, Aurora Water
Joe Opila, Washington Group at Rocky
Mountain Arsenal
Craig Padgett, Arvada
Gary Parham, Lockheed Martin
Mahendra Patel, Retired
Carrie Powers, City of Glendale
Gene Putman, City of Thornton
John Ramsay, Consultant

Jamie Richards, DHS -Denver

John Roberts, HD Supply
Sherry Scaggiari, City of Aurora
Ralph Shearer, City of Delta
Paul Shreve, CRWA
Pat Sullivan, N. Table Mountain
W&S
Travis Thompson, Denver Water
Phillip Van Dunk, City of Aurora
Dale Walls, American Flow Control
Rob Webber, Suncor
Gragg White, Canyon Systems

Tim Woodard, City of Westminster

Sarah Young, City of Aurora

# **Volunteer Committee Descriptions**



### **VOLUNTEER COMMITTEE DESCRIPTIONS**

A brief description of the committees follows:

The <u>Calendar Committee</u> develops a calendar based on the 3-cycle exam program to insure sites for exams for the upcoming deadlines.

The **Exam Application Committee** volunteers average approximately 25 and meet 3 times a year after each deadline date to review the exam applications for approval to take the requested exams. If an application is disapproved, the applicant is notified and can resubmit with the requested information within the stated time.

The **Exam Review Committee** works with the test supplier for insertion of Colorado questions, based on the "Need to Know" documents, into the exams and recommendations on information supplied. There are Committee volunteers for each of the 8 exam categories.

The <u>Proctor Committee</u> consists of volunteers from both divisions who spend many hours, covering exam sites in all the corners of the state and travel hundreds of miles to administer the exams.

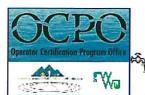
The <u>Reciprocity Committee</u> consists of 10 volunteers from both divisions and works with the Reciprocity Decision Flow Chart and Guidelines document. The committee reviews and makes recommendations on applications. All recommendations from the committee are approved by the WWFOCB.

The <u>Renewal Committee</u> consists of 8 volunteers from both divisions who review applications to see that they have met the criteria; i.e., hands-on time, TU acquisitions, proper backup documents, etc.

The <u>Training Unit Approval Committee</u> consists of SMEs from all segments of the certification program to review courses for approval for TUs. Courses are submitted electronically and committee members can review on their time by logging into the OCPO website. Additionally, a number of individual courses are reviewed manually.

# **Statistical Compilations**





# **Active Operator Counts**

### **Active Operator Counts**

Invalid Address	Applicants	Active with Restorable certs	Active with Unexpired certs
✓	1269	224	71
	11117	6408	5607
Total:	12386	6632	5678
OPs with Email:	9601	6024	5267

### Active certificate Counts by Classification (excluding restorable)

Collection 1	1043
Collection 2	558
Collection 3	266
Collection 4	645
Distribution 1	1421
Distribution 2	757
Distribution 3	328
Distribution 4	835
Industrial Wastewater A	128
Industrial Wastewater B	61
Industrial Wastewater C	150
Industrial Wastewater D	239
Small Wastewater System	202
Small Water System	586
Wastewater A	617
Wastewater B	220
Wastewater C	476
Wastewater D	812
Water A	802
Water B	371
Water C	594
Water D	971
Water Transient Non-community System	41
*	12123

### Active Operator Counts, 2012-2017\*

				И	ater Treatmen	ıt			
	W-A		W-B	W-C	W-D	)		W-S	W-T
2012	795		303	637	856			584	76
2013	778		336	623	906			582	77
2014	792		343	633	929			580	69
2015	745		339	606	893			543	62
2016	818		368	605	932			579	48
2017	802		371	594	971			586	41
				Wastewater	Treatment				
	WW-A	1	WW-B	WW-C	WW-	-D		WW-S	
2012	609		160	423	772			204	
2013	599		162	448	788			191	
2014	608		183	481	785			189	
2015	569		193	434	759			177	
2016	624		210	463	797			202	
2017	617		220	476	812			202	
				Industrial Waster	vater Treatmei	nt			
	I-A		l-B	l-C	l-D				
2012	117		32	176	166				
2013	119		47	172	184				
2014	125		60	173	209				
2015	112		61	160	213				
2016	122		66	150	235		P		
2017	128		61	150	239				
	Wate	r Distributio	n				Wasten	vater Collection	!
	D-1	D-2	D-3	D-4	C-1	C-	-2	C-3	C-4
2012	1117	631	179	879	765	39	0	160	684
2013	1145	635	203	857	804	41	.7	163	666
2014	1272	696	246	845	887	46	5	189	661
2015	1290	729	282	824	910	52	0	219	650
2016	1372	722	309	847	994	53	5	247	653
2017	1421	757	328	835	1043	55	8	266	645

2017 - Examination Pass/Fail Rates, Written

Exam	Received	Approved	Taken	Pass	Rate	Fail	Rate Fai
Year	<b>Total</b>	<b>Total</b>	Written	Written	Written	<i>Written</i>	Written
2017	3659*	3518*	1418	523	37%	895	63%

<sup>\*</sup>Total for Combined Testing Methods

2017 - Combined Testing Methods

	ctiloas
Applications Received	3659
Applications Approved	3518
Exams taken written	1418
Exams taken electronically	1830
Pass written	523
Pass electronically	1161
Pass rate written	37%
Pass rate electronically	63%
Failed written	895
Failed electronically	669
Failed rate written	63%
Failed rate electronically	37%

Combined No Show scheduled exams 156

### Certificates Issued - 2017

New, Renewal, and by Reciprocity

Water Treatment	857
Water Distribution	1125
Wastewater Treatment	695
Industrial Wastewater	186
Wastewater Collection	842
Class S Water	191
Class T Water	16
Class S Wastewater	59
TOTAL	3971

# 2017 TESTING (Written)

## PASS/FAIL PERCENTAGES

### By Class and Level

	pass	fail	pass %	fail %
W-A	10	29	25.64	74.36
W-B	8	26	25.00	81.25
W-C	19	40	32.20	67.80
W-D	54	74	42.18	58.27
TNC	5	2	71.43	28.57
WW-A	8	22	26.67	73.33
WW-B	13	59	18.06	81.94
WW-C	22	37	37.29	62.71
WW-D	46	66	42.11	57.89
SWW	11	16	40.74	59.26
SW	32	26	55.17	44.83
I-A	0	7	0.00	100.00
I-B	1	1	50.00	50.00
I-C	3	9	25.00	75.00
I-D	15	16	48.39	51.61
D-1	86	134	39.09	60.91
D-2	41	77	34.75	65.25
D-3	14	57	19.72	80.28
D-4	9	37	19.57	80.43
C-1	65	74	46.76	53.24
C-2	36	36	50.00	50.00
C-3	13	34	27.66	72.34
C-4	12	16	42.86	57.14
				2405
	523	895	37%	63%

### **ONLINE TEST RESULTS 2017**

Treatment	Pass	Fail	Applications	Pass	Fail
W-A	31	52	83	37.3%	62.7%
W-B	42	22	64	65.6%	34.4%
W-C	58	22	80	72.5%	27.5%
W-D	133	46	179	74.3%	25.7%
Т	1	0	1	100.0%	0.0%
WW-A	23	24	47	48.9%	51.1%
WW-B	32	72	104	30.8%	69.2%
WW-C	55	23	78	70.5%	29.5%
WW-D	86	35	121	71.1%	28.9%
SWW	12	8	20	60.0%	40.0%
SW	39	4	43	90.7%	9.3%
I-A	7	16	23	30.4%	69.6%
I-B	10	4	14	71.4%	28.6%
I-C	14	7	21	66.7%	33.3%
I-D	32	6	38	84.2%	15.8%
Total	575	341	916	62.8%	37.2%

Distribution and Collection					
and Collection	Pass	Fail	Applications	Pass	Fail
D-1	165	80	245	67.3%	32.7%
D-2	77	66	143	53.8%	46.2%
D-3	51	48	99	51.5%	48.5%
D-4	26	56	82	31.7%	68.3%
C-1	143	22	165	86.7%	13.3%
C-2	65	20	85	76.5%	23.5%
C-3	37	10	47	78.7%	21.3%
C-4	22	26	48	45.8%	54.2%
Total	586	328	914	64.1%	35.9%

# CECTI Volunteer Value 2017

**Distribution & Collection Division** 

Committee/Activity	# of	# of	# of	Total
6 100	Volunteers	Hours	Meetings	Hours
Exam Appl. Review	13	2	3	78
Renewal	4	2	11	88
Item Writers/Test Reviewers	11	2	2	44
Division Meetings	13	2.5	11	325
WWFOCB Meetings	1	4	6	24
SubCommitte Mtgs.	4	2	6	48
Proctoring (Avg.5)	5	8	10	400
Proposal Review	3	2	3	18
Reciprocity	2	5	6	60
Administrative (Chmn.)	1	1.5	12	78
ABC Comm.	3	24	1	72
ABC Conference	3	30	1	90
TOTAL D & C Division	n			

**Water/Wastewater Treatment Division** 

Committee/Activity	# of	# of Hours	#of	Total
Committeec/Activity	Volunteers	# Of Hours	WAY 5 C - 5 C	iotai
2.50	volunteers		Meetings	
Exam Appl. Review	7	4	3	84
Renewal	4	2	<b>1</b> 1	88
Item Writers/Test	8	2	2	32
Reviewers				
Division Meetings	6	2.5	4	90
WWFOCB Meetings	2	4	6	48
SubComm. Mtgs.	3 .	2	6	36
Proctoring (Avg.5)	5	8	15	600
Reciprocity	4	5	6	120
Proposal Review	3	2	3	18
Admin (Director)	1	5	6	30
ABC Comm.	1	24	1	24
ABC Conference	3	30	1	90
Total W/WWT Div.				1,260
WWFOCB	9	4	6	216
Jt. TU Approval*	15	1 Hour x	500	500
		Courses		

**\$ Value: \$412,625.00** at 2017 level. This figure of \$125.00 per hour was reached using the median cost of a Consultant in 2015.

The total program cost for 2017 was \$732,980 with approximately 56% of the total cost being defrayed by Volunteer–related activity. The program cost for 2016 includes the addition of a part-time Staff member to assist in work related to increasing stations in OCPO from 10 to 24. It also includes the added cost related to increasing on-line testing in 2 remote areas: Grand Junction and Pueblo

\*It has been computed that it takes 55 minutes for the Committee to review a course. The number of committee members varies, based on which SME is needed, however, the review time stays the same. This does not include the 78 courses that are complimentary due to being a State-approved education program (i.e., Pueblo CC; Red Rocks, etc.)

# **Financial Statements**



# CECTI

# Profit & Loss Prev Year Comparison January through December 2017

Accrual Basis

11:39 AM 03/18/18 Page 1

	Jan - Dec 17	Jan - Dec 16	\$ Change	% Change
Ordinary Income/Expense				
Income	1,075.00	1,275.00	-200.00	-15.7%
SSchool - 2017	31 490 00	23 E53 BO	7 836 20	20 400
Late Fee	26,600.00	32,600.00	07:000.9-	-184%
Application-Test Fee	211,120.00	217,800.00	-6,680.00	٠ ١ ١
Bank Fee-NSF checks	0.00	25.00	-25.00	-100.0%
Certificate Request-general	37,940.00	38,765.00	-825.00	-2.1%
CWP Pin	5.00	15.00	-10.00	-66.7%
Labels-4060	150.00	200.00	-350.00	-20.0%
Online-certificate request	61,875.00	60,345.00	1,530.00	2.5%
Fee-online testing	68,355,00	69,790.00	-1,435.00	-2.1%
Reciprocity Application	855.00	780.00	75.00	9.6%
Reciprocity Certificate	3,360.00	3,640.00	-280.00	-7.7%
Renewals	186,240.00	221,750.00	-35,510.00	-16.0%
Reprints TU Fee-4070	220.00	540.00	-320.00	-59.3%
Investments		00.000	00.001	3.2%
US Bank-Certificate of Deposit Capital One 360	100.11 896.48	100.26 905.72	-0.15 -9.24	-0.2%
Total Investments	996.59	1,005.98	-9.39	-0.9%
Other Income-4090	0.00	10.00	-10.00	-100.0%
Total Income	658,706.59	699,269.78	-40,563.19	-5.8%
Total Income	659,781.59	700,544.78	-40,763.19	-5.8%
Gross Profit	659,781.59	700,544.78	-40,763.19	-5.8%
Expense Short School Expenses	22,873.10	19,048.94	3,824.16	20.1%
On Line-T1 Line	5,316.00	5,316.00	0.00	%0 0
ABC Conference-6033	14,588.24	8,505.95	6,082.29	71.5%
ABC Membership Dues	1,800.00	1,800.00	0.00	%0.0
Accounting Fees-6000	6,500.00	6,200.00	300.00	4.8%
Bank Characters	5,522.78	4,405.42	2,117.36	48.1%
Board Expense-6031	134.16	8 264 43	106.56	386.1%
Credit Card Fees-6040	22,551.98	20,229.37	2,322.61	11.5%
On Line Exam Fees	78.275.00	77 843 00		% o C
Regular Exam Fees-6080	63,841.00	71,234.00	-7,393.00	-10.4%
Total Exam Fees	142,116.00	149,077.00	-6,961.00	-4.7%

Profit & Loss Prev Year Comparison January through December 2017 CECTI

11:39 AM

03/18/18	Profit & Loss Pr	fit & Loss Prev Year Comparison		
Accrual Basis	January thro	January through December 2017		
	Jan - Dec 17	Jan - Dec 16	\$ Change	% Change
License & Filing Fees-6231	20.00	0.00	20.00	100.0%
Management Fee-6235	350.930.64	342.274.84	8.655.80	2.5%
Miscellaneous-6260	4,484.85	458.09	4,026,76	879.0%
OCPO-Website Development/Mtnce	23,499.25	18,849.88	4,649.37	24.7%
On Line Website Mtnc & Misc	5,580.05	1,770.14	3,809.91	215.2%
Outside Services	22,441.50	85.00	22,356.50	26,301.8%
Postage-6290	3,459.23	5,797.03	-2,337.80	40.3%
Printing-6300	2,453.37	421.05	2,032.32	482.7%
On line Depoted Rent	97070	1	22	
Regular Proctor Fees-6310	23.813.33	24.220.16	1,552.53	-1 7%
Regular Facilities & Equipment	24,691.95	13,407.21	11,284.74	84.2%
Total Proctor Fees & Facilities Rent	57,424.44	44,894.00	12,530.44	27.9%
Refund-Test Application-6010	2,565.00	1,860.00	705.00	37.9%
State Certificate Fees-6350	19,910.00	21,945.00	-2,035.00	%6.6-
Supplies Office-6360	6,910.96	4,931.95	1,979.01	40.1%
Telephone-6390	1,018.80	1,162.99	-144.19	-12.4%
	00:0	0.00	0.00	0.0%
Total Expenses	709,980.98	648,275.74	61,705.24	9.5%
Total Expense	732,854.08	667,324.68	65,529,40	%8'6
Net Ordinary Income	-73,072.49	33,220.10	-106,292,59	-320.0%
Other Income/Expense Other Expense Ask My Accountant	00.0	00'0	0.00	%0°0
Total Other Expense	0.00	0.00	00:0	%00
			the Advantages	
Net Other Income	0.00	0.00	0.00	%0.0
Net Income	-73,072.49	33,220.10	-106,292.59	-320.0%